

## SGL Carbon Group EK 2209 Carbon Graphite

Category : Carbon , Graphite

**Material Notes:**

Good mechanical strength, good sliding properties, high temperature resistance, high thermal shock resistance, low wettability, high corrosion resistance, high thermal conductivity, high purity, and good electrical conductivity. Typical Applications: High Loaded Seals  
Information provided by SGL Carbon Group

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SGL-Carbon-Group-EK-2209-Carbon-Graphite.php](http://www.lookpolymers.com/polymer_SGL-Carbon-Group-EK-2209-Carbon-Graphite.php)

Physical Properties	Metric	English	Comments
Density	1.77 g/cc	0.0639 lb/in <sup>3</sup>	
Open Porosity	<= 2.5 %	<= 2.5 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	Size/Load - 5/100
Hardness, Shore C	97	97	
Modulus of Elasticity	26.2 GPa	3800 ksi	
Flexural Strength	65.5 MPa	9500 psi	
Compressive Strength	200 MPa	29000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	3.78 Åµm/m-Å°C	2.10 Åµin/in-Å°F	
	@Temperature 20.0 Å°C	@Temperature 68.0 Å°F	
Thermal Conductivity	13.8 W/m-K	96.0 BTU-in/hr-ftÅ²-Å°F	
Maximum Service Temperature, Air	399 Å°C	750 Å°F	In oxygen
Maximum Service Temperature, Inert	399 Å°C	750 Å°F	Reducing Atm.

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